

Sony Cybershot RX100 VII



Put pro photography, videography and vlogging in your pocket with the RX100 VII. 20fps Blackout-free Shooting with AF/AE tracking, Real-time Tracking and Real-time Eye AF, and 4K HDR (HLG) video with external audio let you capture reliably stunning imagery wherever you go.

Rating: Not Rated Yet

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Manufacturer [Sony UK](#)

Description

Broad zoom range from a pocket-size camera

The built-in ZEISS® Vario-Sonnar T* 24-200mm F2.8-4.5 zoom lens covers a broad zoom range equivalent to two standard zoom lenses (24-70mm and 70-200mm), all in a very compact size. It's configured with eight aspherical lens elements with 13 aspherical faces to achieve maximum resolution, clarity and contrast across the entire zoom range, and all the way out to the edge of the image. Four of Sony's original AA (advanced aspherical) elements help minimise spherical, coma and chromatic aberrations.

A new image sensor that delivers new levels of performance

The newly developed Exmor RS™ 1.0-type stacked CMOS image sensor works in tandem with the latest BIONZ X™ image-processing engine to deliver powerful levels of performance. The result is fast, Blackout-free Shooting at up to 20fps and Single Burst Shooting at up to 90fps. Reliable AF/AE tracking is possible thanks to rapid arithmetic processing at 60 times/sec. to predictively track subject motion, and the electronic viewfinder and LCD monitor also benefit, with improved image quality and smooth 60fps display during shooting.

Ultra-fast 0.02-sec. AF with 357 phase-detection points

The fast, highly accurate autofocus can achieve a remarkable 0.02-sec. acquisition speed, the world's fastest, to capture fleeting moments with precision. A total of 357 focal-plane phase-detection AF points covering approx. 68% of the image area – the most in the world – work in conjunction with 425 contrast-detection AF points and High-density AF Tracking Technology to follow even erratically moving subjects reliably.

Real-time Tracking to maintain steady focus on your subject

For the first time in the RX series, Real-time Tracking is supported. When you're tracking a fast-moving subject, the camera's motion tracker uses a sophisticated subject recognition algorithm (AI) that draws on colour, pattern (brightness), distance (depth) and face/eye information to automatically recognise and maintain focus on your subject. During continuous shooting, the camera relies on AF calculations at up to 60 times/sec. to maintain high-accuracy tracking even as the subject's position changes moment by moment. Tracking can also be initiated through touch operation, for both stills and movies.

Enhanced Real-time Eye AF for better portraits and pet photos

Real-time Eye AF detects and focuses on the eyes of your subjects, even when part of the face is hidden, the face is backlit or the subject is facing downwards. With up to 60 AF calculations per second, the RX100 VII's AF enables powerful continuous shooting, and stunning portrait shots through precise focusing on your subject's eyes – person or animal. For human subjects, activating Real-time Eye AF simply requires a half-press of the shutter button.

Extraordinary image quality and low noise

The 20.1MP, 1.0-type stacked CMOS image sensor uses back-illumination technology for increased light-collection efficiency. The standard ISO range is 100-12800, expanded to ISO64 and ISO80 for stills. In conjunction with the processor, it delivers high perceived resolution, low noise, highly accurate colour reproduction and natural skin tones.

Soft Skin and other effects to widen your creative options

The camera offers a range of special effects for your photos. Soft Skin mode reduces small facial wrinkles and skin dullness while preserving the clarity of the subject's eyes and mouth, and Beauty Effect can be used on images that are already shot. Auto HDR results in a higher dynamic range, reproducing gradations in brightness and contrast that are close to what the human eye perceives. A range of Creative Style and Picture Effect options helps you create unique images.

Optical SteadyShot™ equivalent to 4.0 stops

The camera's built-in image stabilisation delivers the equivalent of a 4.0-stop shutter speed increase at 200mm, to compensate for camera shake during hand-held shooting, even in telephoto or low-light conditions. Combined with the camera's sophisticated optics design and advanced image-processing engine, this helps to achieve remarkable image quality.